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10/616,404

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Tatsuro Oshikawa

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MARTINE PENILLA & GENCARELLA, LLP  
710 LAKEWAY DRIVE  
SUITE 200  
SUNNYVALE, CA 94085

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VO, QUANG N

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/616,404	<b>Applicant(s)</b> OSHIKAWA ET AL.	
	<b>Examiner</b> Quang N. Vo	<b>Art Unit</b> 2625	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 July 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>11/13/2006</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-21 are rejected under 35 U.S.C. 102(e) as being anticipated by  
Moriyama et al. (Moriyama) (US Patent 7,110,130).

With regard to claim 1, Moriyama discloses a printing control apparatus (column 3, lines 48-54) that carries out printing with transmission of image data to a plurality of printing devices (column 21, lines 22-24), the plurality of printing devices being capable of carrying out the printing upon input of image data expressed in a first color system and process of color conversion into image data expressed in a second color system (column 7, line 65 – column 8, line 13), the printing control apparatus comprising: a specification module that specifies the printing device among the plurality of printing devices for carrying out the printing (column 5, lines 35-38); a color conversion information setting module that sets color conversion information corresponding to the specified printing device, the color conversion information defining the color conversion (column 7, lines 7-17); and a transmission module that transmits the image data and the

color conversion information to the specified printing device (column 6, line 64 - column 7, line 13).

With regard to claim 2, Moriyama discloses wherein the plurality of printing devices include a plurality of color printing devices (column 21, lines 22-24).

With regard to claim 3, Moriyama discloses wherein a group of color conversion information is defined in the format of a color conversion table that enables tone data in the first color system to be converted into tone data in the second color system (column 7, line 65 – column 8, line 13).

With regard to claim 4, Moriyama discloses the color conversion information setting module comprising: a color conversion information storage module that stores standard color conversion information used in common among the plurality of printing devices and multiple sets of correction data for correcting the standard color conversion information (column 7, line 65 – column 8, line 4), the multiple sets of correction data being preset to respective printing devices (column 6, lines 37-42); and a color conversion information generation module that generates the color conversion information, based on the standard color conversion information and the correction data corresponding to the specified printing device (column 7, lines 7-17).

With regard to claim 5, Moriyama discloses wherein the multiple sets of the standard color conversion information are preset depending on the type of printing media, and wherein the color conversion information generation module generates the color conversion information using the standard color conversion information

corresponding to the type of the printing medium that is selected by a user (column 7, line 53 – column 8, line 4).

With regard to claim 6, Moriyama discloses wherein multiple sets of the standard color conversion information are preset depending on the type of print modes, and wherein the color conversion information generation module generates the color conversion information using the standard color conversion information depending on the print mode that is selected by the user (column 7, lines 7-52).

With regard to claim 7, Moriyama discloses the specification module comprising: an operating condition detection module that detects operation condition of the individual printing device, wherein the specification module specifies the printing device for carrying out the printing, based on the detected operating condition (column 5, lines 35-38, column 7, lines 2-3).

With regard to claim 8, Moriyama discloses a printing control method for causing a plurality of printing devices to carry out printing with transmission of image data (column 3, lines 48-53), the plurality of printing devices being capable of carrying out the printing upon input of image data expressed in a first color system and process of color conversion into image data in a second color system (column 7, line 65 – column 8, line 13), the printing control method comprising the steps of: (a) specifying the printing device among the plurality of printing devices for carrying out the printing (column 5, lines 35-38); (b) setting color conversion information corresponding to the specified printing device, the color conversion information defining the color conversion (column

7, lines 7-17); and (c) transmitting the image data and the color conversion information to the specified printing device (column 6, line 64 - column 7, line 13).

With regard to claim 9, Moriyama discloses wherein the plurality of printing devices include a plurality of color printing devices (column 21, lines 22-24).

With regard to claim 10, Moriyama discloses wherein a group of the color conversion information is defined in the format of a color conversion table that enables tone data in the first color system to be converted into tone data in the second color system (column 7, line 65 – column 8, line 13).

With regard to claim 11, Moriyama discloses the step (b) comprising the steps of: preparing standard color conversion information used in common among the plurality of printing devices and multiple sets of correction data for correcting the standard color conversion information (column 7, line 65 – column 8, line 4), the correction data being preset to respective printing devices (column 6, lines 37-42); and generating the color conversion information, based on the standard color conversion information and the correction data corresponding to the specified printing device (column 7, lines 7-17).

With regard to claim 12, Moriyama discloses wherein the multiple sets of the standard color conversion information are preset depending on the type of printing media, and wherein the step (b) generates the color conversion information using the standard color conversion information corresponding to the type of the printing media that is selected by a user (column 7, line 53 – column 8, line 4).

With regard to claim 13, Moriyama discloses wherein the multiple sets of the standard color conversion information are preset depending on the type of print modes,

and wherein the step (b) generates the color conversion information using the standard color conversion information corresponding to the type of the printing mode that is selected by the user (column 7, lines 7-52).

With regard to claim 14, Moriyama discloses wherein the step (a) detects operating condition of the individual printing device and specifies the printing device for carrying out the printing, based on the detected operating condition (column 5, lines 35-38, column 7, lines 2-3).

With regard to claim 15, Moriyama discloses a computer readable recording medium in which a computer program that causes a plurality of printing devices (column 5, lines 31-38) to carry out printing with transmission of image data upon input of the image data expressed in a first color system and process of color conversion into the image data in a second color system is recorded (column 7, line 65 – column 8, line 13), the computer readable recording medium causing the computer to perform the functions of: specifying the printing device among the plurality of printing devices for carrying out the printing (column 5, lines 35-38); setting color conversion information corresponding to the specified printing device, the color conversion information defining the color conversion (column 7, lines 7-17); and transmitting the image data and the color conversion information to the specified printing device (column 6, line 64 - column 7, line 13).

With regard to claim 16, Moriyama discloses wherein the plurality of printing devices include a plurality of color printing devices (column 21, lines 22-24).

With regard to claim 17, Moriyama discloses wherein a group of the color conversion information is defined in the format of a color conversion table that enables tone data in the first color system to be converted into tone data in the second color system (column 7, line 65 – column 8, line 13).

With regard to claim 18, Moriyama discloses the color conversion information setting function comprising the functions of: referring standard color conversion information used in common among the plurality of printing devices and multiple sets of correction data for correcting the standard color conversion information (column 7, line 65 – column 8, line 4), the multiple sets of the correction data being preset to respective printing devices (column 6, lines 37-42); and generating the color conversion information based on the standard color conversion information and the correction data corresponding to the specified printing device (column 7, lines 7-17).

With regard to claim 19, Moriyama discloses wherein the multiple sets of the standard color conversion information are preset depending on the type of printing media, and wherein the color conversion information setting function generates the color conversion information using the standard color conversion information corresponding to the printing media that is selected by a user (column 7, line 53 – column 8, line 4).

With regard to claim 20, Moriyama discloses wherein the multiple sets of the standard color conversion information are preset depending on the type of print modes, and wherein the color conversion information setting function generates the color



conversion information using the standard color conversion information corresponding to the print mode that is selected by the user (column 7, lines 7-52).

With regard to claim 21, Moriyama discloses wherein the specification function detects operating condition of the individual printing device and specifies the printing device for carrying out the printing, based on the detected operating condition (column 5, lines 35-38, column 7, lines 2-3).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quang N. Vo whose telephone number is 5712701121. The examiner can normally be reached on 7:30AM-5:00PM Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler M. Lamb can be reached on 5712727406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/616,404

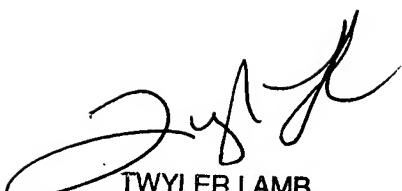
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Art Unit: 2625

*Quang N. Vo*

Quang N. Vo 4/16/07

Patent Examiner

  
TWYLER LAMB  
SUPERVISORY PATENT EXAMINER